

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) In a gaming machine including a master gaming controller, a display device and a memory device, a method of playing a game of chance, the method comprising:

providing in the memory device on the gaming machine a three-dimensional geometrical description of a three-dimensional object in a three-dimensional gaming environment wherein the three-dimensional geometrical description is for defining vertices and surfaces of the three-dimensional object in the three-dimensional gaming environment;

receiving a wager fee of an indicia of credit on an outcome of one or more games the game of chance wherein each game of chance is played on the gaming machine is controlled by the master gaming controller on the gaming machine and wherein gaming machine includes an input mechanism for allowing the indicia of credit to be added to the gaming machine and an output mechanism for allowing a player to receive the indicia of credit;

determining under control of the master gaming controller a game outcome for each of the one or more games of chance;

rendering under control of the master gaming controller one or more two-dimensional images derived from a the three-dimensional object in a the three-dimensional gaming environment stored in the memory device on the gaming machine, said rendering comprising,

assembling a plurality of vertices defining surfaces of the three-dimensional object from the three-dimensional geometrical description of the three-dimensional object;

applying one or more of colors, textures, shades and combinations thereof to the three-dimensional object; and

projecting a portion of the plurality of vertices defined in the three-dimensional gaming environment to a two-dimensional surface to generate the one or more two-dimensional images wherein the gaming machine is operable to render the one or more two-dimensional images in real-time while the game of chance is being played on the gaming machine; and

displaying under control of the master gaming controller the one or more rendered two-dimensional images to the display device on the gaming machine.

2. (Original) The method of claim 1, further comprising:
rendering a game outcome presentation for at least one of the games of chance in the 3-D gaming environment and capturing the game outcome presentation on the one or more two-dimensional images.
3. (Original) The method of claim 1, further comprising:
rendering a plurality of game outcome presentations in the 3-D gaming environment and capturing two or more of the game outcome presentations on at least one of the two-dimensional images.
4. (Original) The method of claim 1, further comprising:
rendering a gaming machine maintenance operation in the 3-D gaming environment and capturing the gaming machine maintenance operation on the one or more two-dimensional images.
5. (Original) The method of claim 1, wherein the gaming machine maintenance operation is replacing printing media in a printer located on the gaming machine.
6. (Original) The method of claim 1, further comprising:
rendering a gaming machine operational feature in the 3-D gaming environment and capturing the gaming machine operation feature on the one or more two-dimensional images.
7. (Original) The method of claim 6, wherein the gaming machine operational feature is selected from the group consisting of inserting a player tracking card in a card reader on the gaming machine, entering an identification code on the gaming machine, pressing an input button on the gaming machine, inserting a printed ticket in a bill validator on the gaming machine and using an electronic key with a gaming device connected to the gaming machine.
8. (Original) The method of claim 1, further comprising:
rendering an attract mode feature in the 3-D gaming environment and capturing the attract mode feature on the one or more two-dimensional images wherein the attract mode feature is at least one of advertising, upcoming events, entertainment services and food services.

9. (Original) The method of claim 1, further comprising:
rendering a promotional feature in the 3-D gaming environment and capturing the promotional feature on the one or more two-dimensional images.
10. (Original) The method of claim 1, further comprising:
rendering casino information in the 3-D gaming environment and capturing the casino information on the one or more two-dimensional images.
11. (Original) The method of claim 1, further comprising:
rendering a bonus game presentation in the 3-D gaming environment and capturing the bonus game presentation on the one or more two-dimensional images.
12. (Original) The method of claim 1, wherein the three-dimensional position of the 3-D object is time varying.
13. (Original) The method of claim 12, wherein a rate of movement of the three-dimensional position of the 3-D object is time varying.
14. (Original) The method of claim 12, wherein the three-dimensional position of the 3-D object changes at least one of continuously, non-continuously and combinations thereof.
15. (Original) The method of claim 1, further comprising:
receiving an input signal to change the three-dimensional position of the 3-D object.
16. (Original) The method of claim 15, wherein the three-dimensional position of the 3-D object is changed to enlarge a feature in the 3-D gaming environment displayed on the display device.
17. (Original) The method of claim 1, further comprising:
displaying simultaneously a portion of a rendered two-dimensional image on a first display device on the gaming machine and the portion of the rendered two-dimensional image on a second display device on the gaming machine.

18. (Original) The method of claim 1, further comprising:

displaying simultaneously a first portion of a rendered two-dimensional image on a first display device on the gaming machine and a second portion of the rendered two-dimensional image on a second display device on the gaming machine.

19. (Original) The method of claim 1, further comprising:

displaying simultaneously a rendered two-dimensional image on a display device on a first gaming machine and the rendered two-dimensional image on a display device on a second gaming machine.

20. (Original) The method of claim 1, further comprising:

rendering a first two-dimensional image derived from a first three dimensional object in the 3-D gaming environment;

rendering a second two-dimensional image derived from a second three dimensional object in the 3-D gaming environment;

displaying simultaneously said first rendered two-dimensional image and said second rendered two-dimensional image on one or more display devices on the gaming machine.

21. (Original) The method of claim 1, further comprising:

rendering a first two-dimensional image derived from a three dimensional object in a first gaming environment;

rendering a second two-dimensional image derived from a three-dimensional object in a second gaming environment;

displaying simultaneously said first rendered two-dimensional image and said second rendered two-dimensional image on one or more display devices on the gaming machine.

22. (Original) The method of claim 1, further comprising:

rendering a first two-dimensional image derived from a first three dimensional object in the 3-D gaming environment;

rendering a second two-dimensional image derived from a second three dimensional object in the 3-D gaming environment;

displaying simultaneously said first rendered two-dimensional image on one or more display devices located on a first gaming machine and said second rendered two-dimensional image on one or more display devices on a second gaming machine.

23. (Original) The method of claim 22, wherein the first rendered two-dimensional image displayed on the first gaming machine and the second rendered two-dimensional image displayed on the second gaming machine are used by two game players, one on the first gaming machine and one on the second gaming machine, to play a game against each other.

24. (Original) The method of claim 22, wherein the first rendered two-dimensional image displayed on the first gaming machine and the second rendered two-dimensional image displayed on the second gaming machine are used by two game players, one on the first gaming machine and one on the second gaming machines, to share a bonus game.

25. (Original) The method of claim 1, wherein the gaming environment comprises one or more 3-D object models defined by a plurality of surface elements.

26. (Original) method of claim 25, wherein at least one of the 3-D object models is a 3-D model of a slot reel.

27. (Original) The method of claim 25, wherein at least one of the 3-D object models is a 3-D model of a gaming machine.

28. (Original) The method of claim 25, wherein the one or more 3-D object models is a 3-D model of a casino.

29. (Original) The method of claim 25, wherein the position of at least one of the 3-D object models is time varying.

30. (Original) The method of claim 25, wherein at least one of the 3-D object models is at least one of an animated 3-D model of a person or a 3-D model of a fictional character.

31. (Original) The method of claim 1, wherein the game of chance is selected from the group consisting of a slot game, a keno game, a poker game, a pachinko game, a video black jack game, a bingo game, a baccarat game, a roulette game, a dice game and a card game.

32. (Original) The method of claim 1, further comprising:

receiving an input signal to initiate one or more games of chance.

33. (Original) The method of claim 1, further comprising:
receiving a wager for a first game and receiving a wager for a second game; and
rendering a game outcome presentation for said first game and said second game in the 3-D gaming environment;

34. (Original) The method of claim 1, further comprising:
receiving one or more input signals containing information used to play the game of chance.

35. (Original) The method of claim 1, further comprising:
receiving one or more input signals containing information used to select a 3-D gaming environment for the game of chance.

36. (Original) The method of claim 35, further comprising:
displaying a menu of games of chance available on the gaming machine;
receiving one or more inputs signals containing information used to select one or more of games of chance listed on said menu.

37. (Original) The method of claim 1, wherein a rendered two-dimensional image displayed to the display device provides at least one of a perspective view, a multiple perspective view, an orthographic view or combinations thereof.

38. (Original) The method of claim 1, further comprising:
generating an animated surface texture in the 3-D gaming environment.

39. (Original) The method of claim 38, wherein the animated surface texture is a movie.

40. (Original) The method of claim 1, wherein the game of chance is multiple hands of a card game presented simultaneously.

41. (Original) The method of claim 40, wherein the multiple hands of the card game are between 1 hand of poker to 1000 hands of poker.

42. (Original) The method of claim 1, further comprising:
rendering a first two-dimensional image derived from a three-object in a three-dimensional gaming environment stored in the memory device on the gaming machine;
rendering a second two-dimensional image derived from a three-dimensional object in the three-dimensional gaming environment stored in the memory device on the gaming machine;
combining the first two-dimensional image and the second two-dimensional image into a third image;
displaying the third two-dimensional image to the display device on the gaming machine.

43. (Original) The method of claim 1, further comprising:
storing one or more of the rendered two-dimensional images to a memory device located on the gaming machine.

44. (Original) The method of claim 43, wherein the stored two-dimensional images are used to provide a game history.

45. (Original) The method of claim 1, further comprising:
rendering a first two-dimensional image derived from a first three-dimensional object in a three-dimensional gaming environment stored in the memory device on the gaming machine;
rendering a second two-dimensional image derived from a second three-dimensional object in a three-dimensional gaming environment stored in the memory device on the gaming machine;
generating a sequence of two-dimensional images wherein the first rendered two-dimensional image appears to morph into the second rendered two-dimensional image during said sequence.

Claims 46-90 (Cancelled).

91. (Currently Amended) In a gaming machine comprising a master gaming controller, a display device and a memory device, a method of playing a plurality games of chance, the method comprising:

receiving a single wager of an indicia of credit on outcomes for a plurality of games of chance wherein the plurality of games of chance are controlled by the master gaming controller on the gaming machine and wherein gaming machine includes an input mechanism for allowing the indicia of credit to be added to the gaming machine and an output mechanism for allowing a player to receive the indicia of credit;

determining under control of the master gaming controller a game outcome for each game of chance in the plurality games of chance;

rendering in real-time under control of the master gaming controller the plurality of games of chance in a three dimensional gaming environment using three-dimensional geometrical descriptions of three-dimensional objects stored in the memory device on the gaming machine;

rendering in real-time under control of the master gaming controller a first two-dimensional image derived from a first 3-D object in the three-dimensional gaming environment wherein the first two-dimensional image comprises a first portion of the plurality of rendered games of chance;

displaying under control of the master gaming controller the first rendered two-dimensional image to the display device on the gaming machine;

rendering in real-time under control of the master gaming controller a second two-dimensional image derived from a second 3-D object in the three-dimensional gaming environment wherein the second two-dimensional image comprises a second portion of the rendered plurality of games of chance;

displaying under control of the master gaming controller the second rendered two-image to the display device on the gaming machine.

92. (Original) The method of claim 91, further comprising:
receiving a wager for each of the plurality of games of chance.

93. (Original) The method of claim 91, further comprising:
rendering a sequence of two-dimensional images derived from 3-D objects in the three-dimensional gaming environment wherein three-dimensional positions of the 3-D objects in the

sequence appear to vary continuously between a three-dimensional position of a first 3-D object and a three-dimensional position of a second 3-D object.

94. (Original) The method of claim 91, further comprising:
selecting a first game of chance in the first portion of the plurality of rendered games of chance;
making a wager on the first game of chance;
initiating the first game of chance;
selecting a second game of chance in the second portion of the plurality of rendered games of chance;
making a wager on the second game of chance; and
initiating the second game of chance.

95. (Original) The method of claim 91, wherein the plurality of games of chance are multiple hands of a card game presented simultaneously.

96. (Original) The method of claim 95, wherein the multiple hands of the card game are between 1 hand of poker to 1000 hands of poker.

97. (Original) The method of claim 91, wherein the game of chance is selected from the group consisting of a slot game, a keno game, a poker game, a pachinko game, a video black jack game, a bingo game, a baccarat game, a roulette game, a dice game and a card game.

98. (Original) The method of claim 91, further comprising:
receiving an input signal to initiate at least one game of chance in the first portion of the plurality of rendered games of chance; and
rendering a game outcome presentation for the at least one game of chance.

99. (Original) The method of claim 98, further comprising:
rendering a bonus game for the at least one game of chance.

100. (Original) The method of claim 91, further comprising:

receiving an input signal to initiate at least one game of chance in the second portion of the plurality of rendered games of chance; and

rendering a game outcome presentation for the at least one game of chance.

101. (Original) The method of claim 100, further comprising:
rendering a bonus game for the at least one game of chance.

Claims 102-127. (Cancelled)